



IFGU 2637

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hyun-Woo LEE et al.                      Group Art Unit: 2637  
Serial No.: 09/935,553                                      Docket: 678-718 (P9880)  
Filed: August 22, 2001                                      Dated: September 6, 2006  
For: **TRANSMIT DIVERSITY APPARATUS AND  
METHOD USING TWO OR MORE ANTENNAS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to Applicant's continuing duty of disclosure, it is respectfully requested that the references listed in the attached form PTO-1449 be considered by the Examiner and made of record in the above-identified application. A copy of each reference is attached hereto.

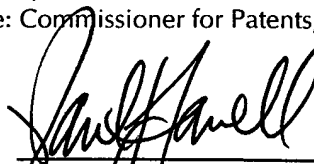
The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 6, 2006.

Dated: September 6, 2006

  
\_\_\_\_\_  
Paul J. Farrell

3

The listed items were cited by the European Patent Office in a counterpart application, namely Appln. No. 01958605.6. A copy of the Supplementary European Search Report dated June 13, 2006 is attached hereto.

The filing of this Supplemental Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

**CERTIFICATION UNDER 37 C.F.R. §1.97(e)(2)**

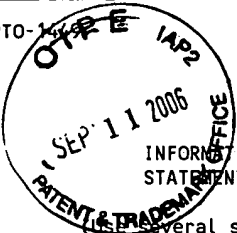
Applicant submits that each item of information contained in the Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application no more than three months prior to the filing of the Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul J. Farrell", is written over the printed name.

Paul J. Farrell  
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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 678-718	SERIAL NO. 09/936,553
	APPLICANT Hyun-Woo LEE et al.		
	FILING DATE August 22, 2001	GROUP ART UNIT 2637	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
WO 01/91318	11/29/2001	PCT			X	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	George Jongren et al., Combining Transmit Antenna Weights and Orthogonal Space-Time Block Codes by Utilizing Side Information, 1999 Asilomar Conference on Signals, Systems, and Computers, October 24, 1999.
	2. Dinesh Rajan et al., "Transmit Diversity Schemes for CDMA-2000", IEEE Wireless Communications and Networking Conference, September 1999.
3.	3GPP: "3 <sup>rd</sup> Generation Partnership Project; Technical Specification Group Radio Access Network; Tx diversity solutions for multiple antennas (Release 5)", June 2001.
	4. Motorola France: "Extended STTD with Switching for Open Loop Transmit Diversity for more than 2 Antennas", February 22, 1999.

EXAMINER	DATE CONSIDERED
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	